

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	113	laser with (aperture opening hole transparen\$3 transl\$9) near2 (clamp\$3 hold\$3 secur\$4) near4 (laser beam) with (laser beam) near3 (pass\$4 through) with (aperture opening hole transparen\$3 transl\$9)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 11:52
L3	14	L2 and vacuum with (clamp\$3 hold\$3 secur\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 11:52
L4	29296	"269"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 12:08
L5	28	L4 and (vac\$7 near3 (hold\$3 clamp\$3)) and (cut\$4 drill\$4 sever\$4 weld\$4) with laser	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 12:08
L6	3	5 and vacuum with slot	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 12:10
L8	7	5 and table with (opening hole aperture apature)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 12:18
L9	0	5 and table with (opening hole aperture apature) with laser	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 12:19
L10	8	5 and (opening hole aperture apature) with (laser beam)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 12:19

L11	0	5 and perforat\$5 near3 (table surface) with (vacuum suction suck\$3) same laser	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 12:27
L12	13	perforat\$5 near3 (table surface) with (vacuum suction suck\$3) same laser and (cut\$4 drill\$4 sever\$4 weld\$4) with laser	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 12:28
L13	58	perforat\$5 near3 (table surface) with (vacuum suction suck\$3) and (cut\$4 drill\$4 sever\$4 weld\$4) with laser not 12	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 12:32
L14	9	perforat\$5 near3 (table surface) with (vacuum suction suck\$3) and (cut\$4 drill\$4 sever\$4 weld\$4) with laser with (vacuum suction suck\$3) not 12	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 12:32
L15	9	laser with (vacuum suction suck\$3) with (glass transparent) near3 open\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 12:40
L16	3528	laser with (glass transparent) near3 window	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 12:41
L17	94	laser with (glass transparent) adj2 window with (cut\$4 weld\$4 ablat\$4 drill\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 12:42
L18	9	laser with (glass transparent) adj2 window near3 through with (cut\$4 weld\$4 ablat\$4 drill\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 12:42
L19	254	transfer\$4 same chain with grip\$4 with bar	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 12:49

L20	197	transfer\$4 same chain with gripper near2 bar	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 12:49
L21	118	transfer\$4 with chain with gripper near2 bar	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 12:49
L22	1	21 and laser with (weld \$4 cut\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 12:49
L23	1	21 and laser with (weld \$4 cut\$4 drill\$4 ablat \$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 12:50
L24	19	21 and laser not 22	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 12:50
L25	0	21 and laser not 22 not image not film	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 12:50
L26	1	19 and laser with (weld \$4 cut\$4 drill\$4 ablat \$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 12:51
L27	1070	chain with grip\$4 with bar	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 12:51
L28	9	27 and laser with (weld \$4 cut\$4 drill\$4 ablat \$4) not image not film	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 12:51
L29	324	laminate near3 application and laser with (weld\$4 cut\$4 drill \$4 ablat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 12:55

L30	327	laminat\$3 near3 applicat\$3 with (unit station) and laser with (weld\$4 cut\$4 drill\$4 ablat\$4) same laminat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 12:55
L31	1	laminat\$3 near3 applicat\$3 with (unit station) and laser with (weld\$4 cut\$4 drill\$4 ablat\$4) with (unit station)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 12:56
L32	0	laminat\$3 near3 applicat\$3 with (unit station) and laser with (weld\$4 cut\$4 drill\$4 ablat\$4) same convey \$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 12:57
L33	6	laminat\$3 near3 applicat\$3 with (unit station) and laser with (weld\$4 cut\$4 drill\$4 ablat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 12:57
L34	312	laminat\$3 near (unit station) and laser with (weld\$4 cut\$4 drill\$4 ablat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 12:58
L35	55	laminat\$3 near (unit station) and laser with (weld\$4 cut\$4 drill\$4 ablat\$4) with (unit station)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 12:58
L36	0	35 and "219"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 12:59
L37	46	laminat\$3 near (unit station) and laser near2 (weld\$4 cut\$4 drill\$4 ablat\$4) with (unit station)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 12:59
L38	14	37 and vacuum	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 13:00

L39	2	"20060231537"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 13:34
L40	1	L39 and evacuat\$4 with part	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 13:34
L41	1	("6864190").PN.	USPAT; USOCR	OR	OFF	2009/01/16 14:13
L42	0	laser with cut\$4 with (drop\$4 fall\$4) with (garbage trash) with chute	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 14:20
L43	12	laser with cut\$4 with (drop\$4 fall\$4) with chute	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 14:20
L44	9	laser with cut\$4 with (drop\$4 fall\$4) near4 container	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 14:21
L45	0	"200043767"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 14:55
S1	1	("5348285").PN.	USPAT; USOCR	OR	OFF	2009/01/15 12:59
S2	2	"20060231537"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/15 13:21
S3	2	S2 and aspirat\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/15 13:21
S4	1	S2 and depress\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/15 13:27

S5	3	"07214359"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/15 13:29
S6	2	S2 and against	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/15 13:31
S7	300	laser same \$2vacu\$3 near4 (lift\$3 pull\$4 rais \$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/15 13:32
S8	74	laser with (cut\$4 machin\$3 drill\$3 sever \$3 ablat\$4 etch\$4) same \$2vacu\$3 near4 (lift\$3 pull\$4 rais\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/15 13:33
S9	133	(cut\$4 machin\$3 drill \$3 sever\$3 ablat\$4 etch \$4) with \$2vacu\$3 near2 (lift\$3 pull\$4 rais \$3) near3 (sheet plate film flat surface strip tape)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/15 13:54
S10	86	(cut\$4 drill\$3 sever\$3 ablat\$4 etch\$4) with \$2vacu\$3 near2 (lift\$3 pull\$4 rais\$3) near3 (sheet plate film flat surface strip tape)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/15 13:56
S11	18	vacuum adj (hold\$3 lift \$3 rais\$3) near3 (sheet plate film flat surface strip tape) and laser near5 (hold\$3 lift \$3 rais\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/15 13:58
S12	29296	"269"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/15 14:06
S13	7	S12 and (vac\$7 near3 (lift\$3 pull\$3 rais\$3)) and (cut\$4 drill\$4 sever \$4 weld\$4) with laser	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/15 14:07

S14	31	laser with (cut\$4 machin\$3 drill\$3 sever \$3 ablat\$4 etch\$4) with (aperture opening hole) near2 (clamp\$3 hold\$3 secur\$4) near4 (laser beam)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/15 14:14
S15	12	laser with (cut\$4 machin\$3 drill\$3 sever \$3 ablat\$4 etch\$4) with (aperture opening hole) near2 (clamp\$3 hold\$3 secur\$4) near4 (laser beam) with (pass \$4 through)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/15 14:14
S16	114	laser with (aperture opening hole) near2 (clamp\$3 hold\$3 secur \$4) near4 (laser beam) with (pass\$4 through) not S15	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/15 14:16
S17	89	laser with (aperture opening hole) near2 (clamp\$3 hold\$3 secur \$4) near4 (laser beam) with (laser beam) near3 (pass\$4 through) not S15	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/15 14:16
S18	20	("20020008809"   "20020144984"   "3989778"   "4069080"   "4532753"   "4924062"   "4945203"   "5173583"   "5260766"   "5595670"   "5630308"   "5659479"   "5701725"   "5911665"   "6103050"   "6207925"   "6237308"   "6387209"   "6670574"   "6818857").PN. OR ("7344671").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/15 14:17

S19	113	laser with (aperture opening hole transparen\$3 translu \$9) near2 (clamp\$3 hold\$3 secur\$4) near4 (laser beam) with (laser beam) near3 (pass\$4 through) with (aperture opening hole transparen\$3 translu \$9)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/15 14:21
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